

ABSTRACT OF THE DISCLOSURE

MATERIAL WITH IMPROVED RESISTANCE TO THERMAL AGEING AND
ITS METHOD OF PRODUCTION

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5 The present invention relates to a material having improved resistance to thermal ageing, to a method for producing this material, and to the use of this material for the manufacture of high and very high voltage cables.

10 The material having improved resistance to thermal ageing contains a conducting polymer dispersed in an insulating polymer and whose heterogeneity size is 0.1 μm or less as observed under scanning electron microscopy.

The method of the invention with which it is possible to obtain this homogeneity comprises the steps consisting of:

- 15 - dissolving a conducting polymer in an organic solvent, to form an impregnating solution,
- impregnating granules formed of an insulating polymer, or of a mixture of insulating polymers, with said impregnating solution.

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